MSD
Metropolitan Sewer District

Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

February 25, 2011

Mr. Femi Akindele
Remedial Project Manager
Kentucky/Tennessee Section
U.S. Environmental Protection Agency
Region IV
61 Forsyth Street
Atlanta, GA 30303

Re: Report of Field Observation – FY11 – Second Quarter (FY11-2Q)
Lees Lane Superfund Site, Jefferson County, Kentucky,
Administrative Order on Consent, USEPA Docket No-91-32-C

Dear Mr. Akindele

In accordance with paragraph 11, under Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site. I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No FY11-2Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY11-2Q.
Sincerely,

Richard H. Watkins, Sr.
Sewer Maintenance Supervisor
RHW/rw
Lees-11-2Q

Enc.
cc: Kentucky National Resource Environment Protection Cabinet
Mr. Daniel Phelps,, Division of Waste Management
H. J. Schardein, Jr., Executive Director
Tony Marconi, Preventive Maintenance & Support Manager
Lees Lane File

marconi@msdlouky.org

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY11-2Q Date of Observation 12/28/10

Time Arrived Onsite: 10:00 AM Time Departed Site: 11:34 AM

Field Personnel: RICHARD H WATKINS, SEWER MAINTENANCE SUPERVISOR;
~~SEAN CRAIG, I&FP ENGINEER~~

Section A: General Site Conditions

Observations:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/fill material	__	XX	__	____
2. Evidence of leachate seepage	__	XX	__	____
3. Distressed Vegetation	__	XX	__	____
4. Pot holes, erosion of access road	XX	__	__	____

Section B: Institutional Controls

Observations:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade	XX	__	__	B-1
2. Structural problem with Putman Ave. barricade	__	XX	__	____
3. Lee's Lane gate unlocked	__	XX	__	____
4. Broken or missing lock	__	XX	__	____

Section C: Gas Collection System

Observations:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house wells, or moisture traps	__	XX	__	____
2. Structural damage to blower house	__	XX	__	____
3. Blower not operating or visible damage	__	XX	__	____
4. Blower house not secure and unclean	__	XX	__	____

Observations:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	XX	—	———
6. Alarm and blower controls not functioning	—	XX	—	———
7. Settlement or tilting of well/moisture trap concrete collars	XX	—	—	C-7
8. Well/moisture trap covers missing or damaged	XX	—	—	C-8
9. Excessive vegetation covering wells/moisture traps	—	XX	—	———
10. Adjustment valve inaccessible	—	XX	—	———
11. Well/moisture trap caps, plugs, and piping missing	—	XX	—	———
12. Blower house and well/moisture trap signs missing or damaged	—	XX	—	———

Section D: Groundwater & Gas Monitor Wells

Observations:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	XX	—	———
2. Guard posts and rails missing or damaged	XX	—	—	———
3. Protective casing missing, damaged or rusted	XX	—	—	———
4. Concrete pads damaged or cracked	—	XX	—	———
5. Possible surface water infiltration into wells	—	XX	—	———
6. Excessive vegetation or debris around wells	—	XX	—	———
7. Well cap missing or damaged	—	XX	—	———
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	XX	—	———

Section E: Bank Protection Controls

Observations:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving	—	XX	—	———
2. Erosion of rip-rap or underlying material	—	XX	—	———
3. Abnormally damp areas, wet ground vegetation	—	XX	—	———
4. Soft spots in surface	—	XX	—	———
5. Seepage, water flow, piping, or sand boils	—	XX	—	———
6. Undermining of rip-rap	—	XX	—	———
7. Vegetative growth on rip-rap slope	XX	—	—	E-7
8. Buildup of trash and debris on rip-rap	—	XX	—	E-8
9. Exposed trash or filter fabric	—	XX	—	———
10. Tilting trees	—	XX	—	———
11. Tension cracks	—	XX	—	———
12. Survey monuments missing or damaged	—	XX	—	———

Section F: Surface Waste Cleanup/Cover

Observations:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep	—	XX	—	———
2. Cracks greater than 1 inch wide and 6 inches deep	—	XX	—	———
3. Areas of erosional damage to grass	—	–	—	———
4. Inadequate grass cover (area > 36 ft^2	XX	—	—	F-4
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	XX	—	—	F-5
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	XX	—	———

*If yes, assign a comment no. in the last column and follow instructions on comment sheet.

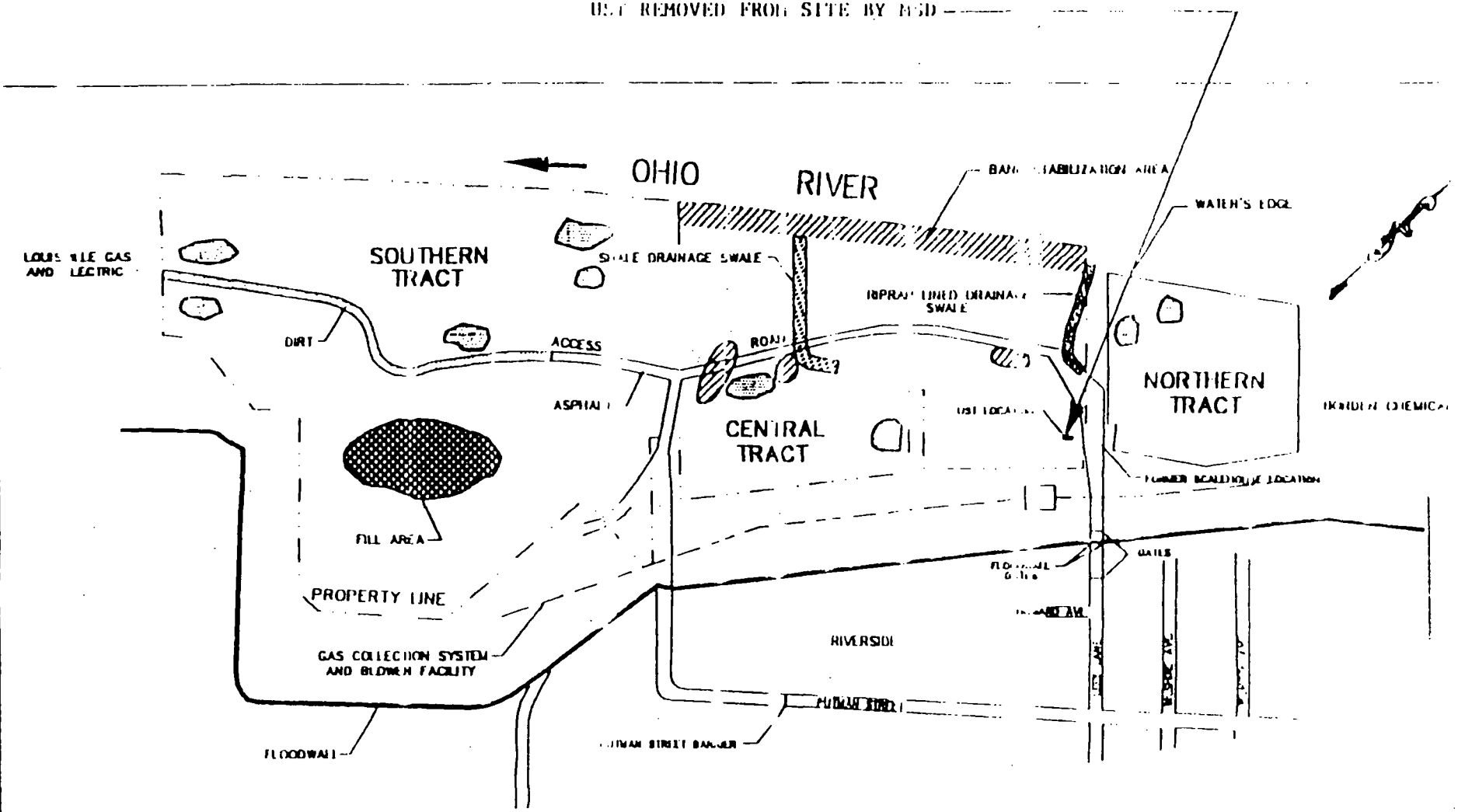
Observation Report No: FY-11-2Q Date of Observation 12/28/10

Site Map

Observer's Signature: [signature]

Date: 12/28/10

UST REMOVED FROM SITE BY KSD



LEGEND

- APPROXIMATE AREA OF DRUM BURIAL DURING CERCLA REMOVAL
- AREA OF SUBSIDENCE

DRAWING NOT TO SCALE
SOURCE: RESOURCES APPLICATIONS, INC.

ARCS / LEE'S LANE LANDFILL
LOUISVILLE, KENTUCKY

FEATURE MAP

FIGURE 2-1

ROY F. WESTON, INC.
ENGINEERS DESIGNERS/CONSULTANTS

DRAWN	DATE	U.S. ENG.	DATE	W.O. NO.
WCS	9/91			04400-083
CHECKED	DATE	APPROVED	DATE	DWG. NO.
				LEESL2-1

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No.: FY11-2Q **Date of Observation: 12/28/10**

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:	Comment
A-4	Small amount of rutting was observed on the gravel road leading to gas collection Well No. 5 from ATVs.
B-1	Lee's Lane gate had been damaged during winter snow events.
B-2	Condition of the Putnam Avenue barricade remains unchanged from previous quarterly institutional inspections. Intrusions into the landfill site and flood protection levee areas by ATVs from the woods adjacent to the Putnam Avenue barricade has been reduced, but is still evident. The landfill site and flood protection levee continues to receive surveillance by the Louisville Metro Police Department.
C-7	Observed tilted well and moisture trap concrete collars for 2, 4, 8, 11, 12, 14, and 16
C-8	Observed covers missing for moisture traps 6, 9, 10, 25, 26, 27 and 29.
D- 2	Observed missing railing around monitoring well G-1 and G-4
D-3	Observed protective casing of monitoring wells G-1, G-2,G-3,G-4 and G-5
D-8	Monitoring wells tubing, fittings, and valves were not directly observed but no external damage or disturbance to enclosures was evident.
E-7	Observed dead vegetative growth on portions of the riprap levee and riprap drainage channel slopes.
F-4	Observed areas of inadequate grass cover from intrusion of ATVs.
F-5	There was evidence of small amount of ponding water, in several ruts left by ATVs.

Comment No.	Corrective Action Performed
A-4	Schedule gravelling of the access road leading to Well No. 5 to fill rutted areas by the end FY11-2Q as weather and scheduling permit.
B-1	Observed repairs to Lee lane gate from being damaged by vehicle during winter snow event. Gate operative and locked
B-2	Continue to observe condition of the Putnam Avenue barricade during future quarterly institutional inspections. Replace damaged "No Trespass – Keep Out" signs at strategic locations along the access roads and Mill Creek cut-off channel areas in an effort to discourage ATV intrusions and trespass into the landfill and levee area sites. Schedule painting of Putnam barricade by end of FY11-3Q.
C-7	Schedule resetting of tilted well and moisture trap concrete collars for moisture traps 2, 4, 8, 11, 12, 14 and 16 weather and scheduling permitting.
C-8	Obtain replacement covers and install on moisture.
D-2	Schedule repair/replacement to railing around gas monitoring rail, prior to end of FY11-04Q
D-3	Schedule painting of protective casing of monitoring wells G-1, G-2, G-3 G-4, and G-5 prior to end of FY11-04Q
D-8	Monitoring well tubing, fittings, and valves were not directly observed but no external damage or disturbance to enclosures was evident.
E-7	Spraying of the riprap drainage channels and riprap cap area should be scheduled prior to the end of FY11-4Q.
F-4	Monitored at future quarterly institutional inspections backfill and seed areas as necessary.
F-5	No further action required at this time. Condition of ruts left by ATVs and other vehicles should be monitored at future quarterly institutional inspections and backfilled as necessary.